

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 10/823,006  
Source: IFWO  
Date Processed by STIC: 05/24/2005

# ***ENTERED***



IFWO

## RAW SEQUENCE LISTING

DATE: 05/24/2005

PATENT APPLICATION: US/10/823,006

TIME: 13:17:45

Input Set : N:\Crf3\RULE60\10823006.raw

Output Set: N:\CRF4\05242005\J823006.raw

```

1 <110> APPLICANT: Cochran, Andrea G.
2      Starovasnik, Melissa A.
3      Skelton, Nicholas
4 <120> TITLE OF INVENTION: HAIRPIN PEPTIDES WITH A NOVEL STRUCTURAL MOTIF AND
5      METHODS RELATING THERETO
6 <130> FILE REFERENCE: P1875
7 <140> CURRENT APPLICATION NUMBER: US/10/823,006
C--> 8 <141> CURRENT FILING DATE: 2004-04-12
9 <150> PRIOR APPLICATION NUMBER: US/09/836,770
10 <151> PRIOR FILING DATE: 2001-04-17
11 <160> NUMBER OF SEQ ID NOS: 16
13 <210> SEQ ID NO: 1
14 <211> LENGTH: 12
15 <212> TYPE: PRT
16 <213> ORGANISM: Artificial Sequence
17 <220> FEATURE:
18 <223> OTHER INFORMATION: Peptide
19 <400> SEQUENCE: 1
20      Ser Trp Thr Trp Glu Gly Asn Lys Trp Thr Trp Lys
21      1              5              10
23 <210> SEQ ID NO: 2
24 <211> LENGTH: 12
25 <212> TYPE: PRT
26 <213> ORGANISM: Artificial Sequence
27 <220> FEATURE:
28 <223> OTHER INFORMATION: Peptide
29 <400> SEQUENCE: 2
30      Ser Trp Thr Trp Glu Asn Gly Lys Trp Thr Trp Lys
31      1              5              10
33 <210> SEQ ID NO: 3
34 <211> LENGTH: 12
35 <212> TYPE: PRT
36 <213> ORGANISM: Artificial Sequence
37 <220> FEATURE:
38 <223> OTHER INFORMATION: Peptide; Pro at position 6 is D-Pro
39 <400> SEQUENCE: 3
40      Ser Trp Thr Trp Glu Pro Asn Lys Trp Thr Trp Lys
41      1              5              10
43 <210> SEQ ID NO: 4
44 <211> LENGTH: 16
45 <212> TYPE: PRT
46 <213> ORGANISM: Streptococcus
47 <220> FEATURE:

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W--> 48 <221> NAME/KEY: Streptococcus
49 <222> LOCATION: Full
50 <223> OTHER INFORMATION: The 41-56 residue fragment of the protein G B1 domain
51 <400> SEQUENCE: 4
52     Gly Glu Trp Thr Tyr Asp Asp Ala Thr Lys Thr Phe Thr Val Thr
53         1             5             10             15
54     Glu
56 <210> SEQ ID NO: 5
57 <211> LENGTH: 16
58 <212> TYPE: PRT
59 <213> ORGANISM: Artificial Sequence
60 <220> FEATURE:
61 <223> OTHER INFORMATION: Peptide
62 <400> SEQUENCE: 5
63     Gly Glu Trp Thr Trp Asp Asp Ala Thr Lys Thr Trp Thr Trp Thr
64         1             5             10             15
65     Glu
67 <210> SEQ ID NO: 6
68 <211> LENGTH: 16
69 <212> TYPE: PRT
70 <213> ORGANISM: Artificial Sequence
71 <220> FEATURE:
72 <223> OTHER INFORMATION: Peptide
73 <400> SEQUENCE: 6
74     Gly Glu Trp Thr Tyr Asp Asp Ala Thr Lys Thr Phe Thr Trp Thr
75         1             5             10             15
76     Glu
78 <210> SEQ ID NO: 7
79 <211> LENGTH: 16
80 <212> TYPE: PRT
81 <213> ORGANISM: Artificial Sequence
82 <220> FEATURE:
83 <223> OTHER INFORMATION: Peptide
84 <400> SEQUENCE: 7
85     Gly Glu Trp Thr Trp Asp Asp Ala Thr Lys Thr Trp Thr Val Thr
86         1             5             10             15
87     Glu
89 <210> SEQ ID NO: 8
90 <211> LENGTH: 16
91 <212> TYPE: PRT
92 <213> ORGANISM: Artificial Sequence
93 <220> FEATURE:
94 <223> OTHER INFORMATION: Peptide
95 <400> SEQUENCE: 8
96     Gly Glu Trp His Trp Asp Asp Ala Thr Lys Thr Trp Val Trp Thr
97         1             5             10             15
98     Glu
100 <210> SEQ ID NO: 9
101 <211> LENGTH: 16

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102 <212> TYPE: PRT
103 <213> ORGANISM: Artificial Sequence
104 <220> FEATURE:
105 <223> OTHER INFORMATION: Peptide
106 <400> SEQUENCE: 9
107     Gly Glu Trp Val Trp Asp Asp Ala Thr Lys Thr Trp His Trp Thr
108         1             5             10             15
109     Glu
111 <210> SEQ ID NO: 10
112 <211> LENGTH: 16
113 <212> TYPE: PRT
114 <213> ORGANISM: Artificial Sequence
115 <220> FEATURE:
116 <223> OTHER INFORMATION: Peptide
117 <400> SEQUENCE: 10
118     Gly Glu Trp Val Trp Asp Asp Ala Thr Lys Thr Trp Val Trp Thr
119         1             5             10             15
120     Glu
122 <210> SEQ ID NO: 11
123 <211> LENGTH: 6
124 <212> TYPE: PRT
125 <213> ORGANISM: Artificial Sequence
126 <220> FEATURE:
127 <223> OTHER INFORMATION: Peptide
128 <220> FEATURE:
129 <221> NAME/KEY: MISC_FEATURE
130 <222> LOCATION: (2)
131 <223> OTHER INFORMATION: Xaa can be any amino acid
132 <220> FEATURE:
133 <221> NAME/KEY: MISC_FEATURE
134 <222> LOCATION: (5)
135 <223> OTHER INFORMATION: Xaa can be any amino acid
136 <400> SEQUENCE: 11
W--> 137     Cys Xaa Pro Gly Xaa Cys
138         1             5
140 <210> SEQ ID NO: 12
141 <211> LENGTH: 11
142 <212> TYPE: PRT
143 <213> ORGANISM: Artificial Sequence
144 <220> FEATURE:
145 <223> OTHER INFORMATION: Peptide
146 <400> SEQUENCE: 12
147     Cys Gly Val Ser Arg Gln Gly Lys Pro Tyr Cys
148         1             5             10
150 <210> SEQ ID NO: 13
151 <211> LENGTH: 18
152 <212> TYPE: PRT
153 <213> ORGANISM: Artificial Sequence
154 <220> FEATURE:

```

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```

155 <223> OTHER INFORMATION: Peptide
156 <400> SEQUENCE: 13
157      Cys Ala Gly Phe Met Arg Ile Arg Gly Arg Ile His Pro Leu Cys Met Arg Arg
158      1          5          10          15
160 <210> SEQ ID NO: 14
161 <211> LENGTH: 6
162 <212> TYPE: PRT
163 <213> ORGANISM: Artificial Sequence
164 <220> FEATURE:
165 <223> OTHER INFORMATION: Peptide
166 <400> SEQUENCE: 14
167      Ser Trp Thr Trp Glu Gly
168      1          5
170 <210> SEQ ID NO: 15
171 <211> LENGTH: 6
172 <212> TYPE: PRT
173 <213> ORGANISM: Artificial Sequence
174 <220> FEATURE:
175 <223> OTHER INFORMATION: Peptide
176 <400> SEQUENCE: 15
177      Asn Lys Trp Thr Trp Lys
178      1          5
180 <210> SEQ ID NO: 16
181 <211> LENGTH: 4
182 <212> TYPE: PRT
183 <213> ORGANISM: Artificial Sequence
184 <220> FEATURE:
185 <223> OTHER INFORMATION: Peptide
186 <400> SEQUENCE: 16
187      Glu Gly Asn Lys
188      1

```

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/823,006

DATE: 05/24/2005  
TIME: 13:17:46

Input Set : N:\Crf3\RULE60\10823006.raw  
Output Set: N:\CRF4\05242005\J823006.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:11; Xaa Pos. 2,5

VERIFICATION SUMMARY

DATE: 05/24/2005

PATENT APPLICATION: US/10/823,006

TIME: 13:17:46

Input Set : N:\Crf3\RULE60\10823006.raw

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L:8 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:48 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:4

L:137 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0